BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Detailed Estimate for:-Operation and Maintenance of street light fittings in Hebbala - Kempapura ward no.09 Package Y-09 of Yelahanka Zone for the Period (10 Months).

Budget Head .....

Division No..... Estimate No. 10/24-25 For Rs.= **3210000.00**

Sl No	SR Page No	Description of Work	Unit	Qty	Rate For 10 Months Rs. Ps.	Amount
1	AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starters and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day, Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **36/40 watt fluoroscent tube light street lighting systems.**	Each	28	426.67	11946.67
2	AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starters and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day,Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **125 watt HPMV park lighting systems.**	Each	104	554.17	57633.33
3	AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starters and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day,Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **250 watt HPSV street lighting systems.**	Each	1525	792.50	1208562.50
4	AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starters and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day, Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **400 watt HPSV street light/high mast lighting systems.**	Each	50	854.17	42708.33
5	AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed /fused out components like LED drivers,LED array, MCPCB, surge protective device,wires and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day, Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **24 to 45 watt LED street lighting System.**	Each	52	622.50	32370.00

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6	AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers,LED array, MCPCB, surge protective device,wires and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day, Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **50 to 72 watt LED street lighting systems.**	Each	308	815.00	251020.00
7	AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers,LED array, MCPCB, surge protective device,wires and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day, Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **90 watt LED street lighting systems.**	Each	781	990.00	773190.00
8	AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/ fused out components like LED drivers,LED array, MCPCB, surge protective device,wires and switching ON/OFF of street lights at specified timing, furnishing maintenance reports every day, Maintaining movement log of ladder jeep by installing dedicated GPS system with required hardware and software etc, complete, so as to ensure efficient burning of street lights as detailed in tender documents for **100 to 120 watt LED street lighting systems.**	Each	85	1148.33	97608.33
9	5.15.1/17 PWD	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws,bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB , all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.**THREE Pole 100 A 25 kA**	Each	17	6086.00	103462.00
10	5.44.1/21 PWD	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof,dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cut-out with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.**300 mm x 300 mm x 214 mm**	Each	17	4512.00	76704.00
11	18/42.09 CSR 2023-24	1.1 kV, LT Aerial Bunched Cable, XLPE insulation confirming to IS-14255: 1995 2x16 + 1x25 Sqmm (Insulated Messenger cum Neutral) 85219	KM	0.47	85219.00	40052.93
12	53/24.03 CSR 2023-24	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70)(Insulated Messenger Neutral) + (1x16) (Street LightControl)	KM	0.47	33109.00	15561.23

13	19/43.12 CSR 2023-24	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connection	No	10	186.00	1860.00
14	19/43.17 CSR 2023-24	Dead End Clamp/Anchor Clamp Assembly 16 to 70 Sqmm Bare Messenger (Exclusive of Pole Clamp and Eye Hook)	No	6	232.00	1392.00
15	54/24.12 CSR 2023-24	Installation of Insulation piercing connector for Main to Street Light Main : 16-95 Sqmm, Tap: 1.5-10 Sqmm (EP95)	No	10	90.00	900.00
16	54/24.11 CSR 2023-24	Pole Clamp-145 mm x 95	No	16	160.00	2560.00
17	55/25.02 CSR 2023-24	Fixing of Dead End Clamp	No	6	380.00	2280.00
		Total				**2719811.33**
		Add 18% GST				**489566.04**
		Misleniuos				**622.63**
		Grand Total Rs				**3210000.00**

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on approved rates.
5. The Above Work is not Taken up in any Previous Grants.
6. The AMC Proposed for the Street Lights in the estimate are not under DLP.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 32.10 lakhs
Rupees Thirty Two lakhs Ten Thousand only
is accorded under head P0300 Maintenance of Street Lights Replacement & Burnt Relay etc (Package)
Registered at page 138 & 139 Subject to conditions contained in the enclosed memo No. BBMP/EE(ELE)/42/AS/10/24-25
Dt. 27.09.2024

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 32,10,000/-
Rupees Thirty two Lakhs ten thousand
Head of Account: P0300
Registered SE No. 35/2024-25
condition contained in the enclosed Memo
Administratively Approved By: EE/ELE/YZ
No. 10/24-25 Dt. 27/09/24

Tech. Asst. AE

SE (Elec)